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Please cancel claims 1, 3, 5, 7, 10, 12, 14, 16, 18 and 20 and amend claim 2 as follows.

1. (canceled)

2. (currently amended) ~~The objective lens for different optical recording media according to claim 1~~ An objective lens for different optical recording media which, for a selected first optical recording medium, focuses at a first numerical aperture an incident light beam having a first wavelength onto a desired position of the first optical recording medium and, for a selected second optical recording medium, focuses at a second numerical aperture that is smaller than the first numerical aperture, an incident light beam having a second wavelength onto a desired position of the second optical recording medium, said objective lens comprising:

at least one surface that is at least partially defined using an equation for an aspheric surface wherein the surface height in the direction of the optical axis becomes discontinuous at a boundary line corresponding to the outer boundary of incident light of the second wavelength that is focused at the second numerical aperture onto a specified position of the second optical recording medium;

at least one surface that is at least partially a diffraction optical surface that is defined using one phase difference function, said diffraction optical surface constructed so that

(a) the light flux of the first wavelength passing through a region of the diffraction optical surface corresponding to the first numerical aperture is focused onto a specified position of the first optical recording medium by the refractive power of the objective lens and the light diffraction effect of the diffraction optical surface,

(b) the light flux of the second wavelength passing through the region of the diffraction optical surface that is outside the region that corresponds to the second numerical aperture is not focused onto the specified position of the second optical recording medium by the refractive power of the objective lens and the light diffraction effect of the diffraction optical surface, and

(c) the light flux of the second wavelength passing through the region of the diffraction optical surface corresponding to the second numerical aperture is focused onto the specified position of the second recording medium by the refractive power of the objective lens and the light diffraction effect of the diffraction optical surface;

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27 wherein:  
28 the diffraction optical surface and the aspheric surface are jointly formed so as to be  
29 superimposed on the same surface; and  
30 the phase difference defined by the one phase difference function of the diffraction optical  
31 surface is an integer multiple of  $2 \cdot \pi$  where the aspheric surface becomes discontinuous on this  
32 same surface.

3. (canceled)

1 4. (original) The objective lens for different optical recording media according to claim 2,  
2 wherein the second optical recording medium has a substrate that is thicker than that of the first  
3 optical recording medium, and the first wavelength is shorter than the second wavelength.

5. (canceled)

1 6. (original) The objective lens for different optical recording media according to claim 2,  
2 wherein the objective lens is made of plastic.

7. (canceled)

1 8. (original) The objective lens for different optical recording media according to claim 4,  
2 wherein the objective lens is made of plastic.

1 9. (original) The objective lens for different optical recording media according to claim 2,  
2 wherein the numerical aperture NA at the position where the aspheric surface becomes  
3 discontinuous is set to a value in the range  $0.45 \leq NA \leq 0.52$ .

10. (canceled)

1 11. (original) The objective lens for different optical recording media according to claim 4,

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- 2 wherein the numerical aperture NA at the position where the aspheric surface becomes  
3 discontinuous is set to a value in the range  $0.45 \leq NA \leq 0.52$ .

12. (canceled)

- 1 13. (original) The objective lens for different optical recording media according to claim 6,  
2 wherein the numerical aperture NA at the position where the aspheric surface becomes  
3 discontinuous is set to a value in the range  $0.45 \leq NA \leq 0.52$ .

14. (canceled)

- 1 15. (original) The objective lens for different optical recording media according to claim 8,  
2 wherein the numerical aperture NA at the position where the aspheric surface becomes  
3 discontinuous is set to a value in the range  $0.45 \leq NA \leq 0.52$ .

16. (canceled)

- 1 17. (original) An optical pickup device that includes the objective lens for different optical  
2 recording media according to claim 2.

18. (canceled)

- 1 19. (original) An optical pickup device that includes the objective lens for different optical  
2 recording media according to claim 4.

20. (canceled)